

# Work Order ID 56881

March 12, 2010 9:59:26 AM

Page 1

Item ID: D3802-1

Accept

Setup Start

Revision ID:

Stop

Item Name: Window Seal

Start Date: 3/12/10 Start Qty: 100.00

Required Date: 3/16/10 Req'd Qty: 100.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: C2

Date: 10/3/12

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start

Stop

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D3802

Rev B

100

0.00



Purchasing

PURCHASING

Memo

0.00

Purchasing

Issue P/O: 11501

Purchase Part Number: 93695K88

Supplier: Mc MASTER-CARR

Certificate of conformity is required

110

0.00



Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

0.00

Packaging

Ensure material certification is attached

120

0.00



QC

QC6- Inspect dimensions to drawing

Memo

0.00

Quality Control

Ensure Material certification comply to Dwg D3802

C2 10/3/12 100



10/3/12 100

8 w/loss 105

POSITIVE  
RECALL

POSITIVE  
RECALL

PTD

| W/O: 56881 |      | WORK ORDER CHANGES                 |    |      |     |   |   |  |
|------------|------|------------------------------------|----|------|-----|---|---|--|
| DATE       | STEP | PROCEDURE CHANGE                   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr   | Approval<br>QC Inspector  |  |
| 10-06-10   | 110  | Sealing samples Per Flame testing. |    |      |     | <br>10-06-10 | <br>10-06-10 |  |
|            |      |                                    |    |      |     |   |   |  |

Part No: D3802-1 PAR #: 0-037 Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: 1 |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|--------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE   | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|        |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|        |      |                                  |                             |                                 |                |                           |                       |                          |
|        |      |                                  |                             |                                 |                |                           |                       |                          |
|        |      |                                  |                             |                                 |                |                           |                       |                          |

NOTE: Date & initial all entries

# Work Order ID 56881

March 12, 2010 9:59:26 AM



Page 2

Item ID: D3802-1

Accept



Setup Start



Revision ID:

Item Name: Window Seal

Stop



Start Date: 3/12/10 Start Qty: 100.00



Cust Item ID:

Required Date: 3/16/10 Req'd Qty: 100.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start



Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130

Identify as per dwg & Stock Location: 412

0.00



Packaging

Memo

0.00

Packaging

10/8/5 SP 105

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/08/05

ME

10-8-05

POSITIVE RECALL

EFFECTIVE 10-08-10

AUTH

RELEASED

DATE

10-08-05

DATE

RELEASED

AUTH

EFFECTIVE

POSITIVE RECALL

per ECN 10-568

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

# Picklist Print

March 12, 2010 9:59:25 AM

Page 1

Work Order ID: 56881



Parent Item: D3802-1



Parent Item Name: Window Seal

Start Date: 3/12/10

Required Date: 3/16/10

Comments: IPP Rev:A 09-01-12 rev.A as per dwg DD verified by:ec  
IPP Rev:B 09-04-15 rev.b as per dwg DD verified by:EC

Start Qty: 100.00

Required Qty: 100.00

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Remaining<br>Qty To Pick | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|--------------------------|---------------|----------------|--------|
| 93695K88                        |                        | Purchased     | No          |                     |                  | 110             | f                  | 0.0000         | 100.0000                 |               |                |        |
|                                 |                        |               |             |                     |                  |                 |                    |                |                          |               |                |        |
| WINDOW SEAL                     |                        |               |             |                     |                  |                 |                    |                |                          |               |                |        |



*Handwritten signature*  
10/8/09

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

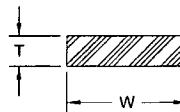
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                                |                                 |                |                           |                       |                          |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action<br>Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng           | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                                |                                 |                |                           |                       |                          |
|      |      |                                  |                                |                                 |                |                           |                       |                          |
|      |      |                                  |                                |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

# SPECIFICATION CONTROL DRAWING



**D3802-X-YYY WINDOW SEAL**  
WHERE YYY REPRESENTS LENGTH

| DART P/N    | SUPPLIER      | SUPPLIER P/N | T THICKNESS | W WIDTH |
|-------------|---------------|--------------|-------------|---------|
| D3802-1-YYY | McMASTER-CARR | 93695K88     | 0.25        | 1.00    |

EG: 0.25" X 1.00" X 40" WINDOW SEAL = D3802-1-400

C21013112  
W10: 56881

**RELEASED**  
09/04/09 MP

- NOTES:**
- 1) MATERIAL: NEOPRENE/VINYU/BUNA-N FOAM RUBBER STRIP, ADHESIVE BACK
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: NONE
  - 7) WEIGHT: N/A

| B          | CHANGE TO 93695K88 PER FLAMMABILITY TEST RESULTS | MB | 08.12.16 |
|------------|--|----|----------|
| A          | NEW ISSUE  | MB | 08.06.20 |
| REV.       | DESCRIPTION                                      | BY | DATE     |
| DESIGN     |  |    |          |
| DRAWN      |  |    |          |
| CHECKED    |  |    |          |
| MFG. APPR. |  |    |          |
| APPROVED   |  |    |          |
| DE APPR.   |  |    |          |
| DATE       | 08.12.16   |    |          |

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D3802** REV. B  
SHEET 1 OF 1  
TITLE: **WINDOW SEAL** SCALE: NTS

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**RT**  
spaceDart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO11501

Purchase Order Date 3/11/10

PO Print Date 3/15/10

Page Number 2 of 2

## Order From :

VU-MCM001

MCMASTER-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

## Contact Name

## Vendor Phone

330 995 5500

## Vendor Fax

330 995 9600

## Vendor Account Nbr

## Buyer

Chantal Lavoie

## Requisition Nbr

## Tax Resale Nbr

10127-2607

## Terms

Net 30

## Currency

USD

## FOB

|   |                             |         |        |                  |           |         |
|---|-----------------------------|---------|--------|------------------|-----------|---------|
| 5 | 1325K54 O-RING<br>LUBRICANT | 3/16/10 | ✓ 1.00 | Purolator ground | \$16.2200 | \$16.22 |
|   |                             | Yes     |        |                  | \$20.42   |         |

## Deliver To: GARY

|   |           |                 |         |         |                  |          |        |
|---|-----------|-----------------|---------|---------|------------------|----------|--------|
| 6 | 91244A620 | CAP SCREW NYLON | 3/16/10 | ✓ 25.00 | Purolator ground | \$0.2500 | \$6.25 |
|   |           |                 | Yes     | Each    |                  |          |        |

Special Inst: AS PER DWG D4087 REV.A  
B56927  
MCMASATER P/N: 91244A620

|   |          |             |         |        |                  |          |          |
|---|----------|-------------|---------|--------|------------------|----------|----------|
| 7 | 93695K88 | WINDOW SEAL | 3/16/10 | 100.00 | Purolator ground | \$1.2500 | \$125.00 |
|   |          |             | Yes     | f      |                  |          |          |

Special Inst: AS PER DWG D3802 REV. B  
B56881

PO Total: \$429.13

CERTIFICATE OF CONFORMITY  
REQ'D UPON DELIVERY

Change Nbr: 3

Change Date: 3/15/10

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

200 Aurora Industrial Parkway  
Aurora OH 44202  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

McMaster-Carr Number  
7872299-02

03/12/2

| Line | Description   | Ordered   | Shipped |
|------|---|-----------|---------|
| 6    | <b>91244A620</b> Nylon Hex Head Cap Screw, 3/8"-16 Thread, 1/2" L, Off-White, Fully Threaded, Packs of 25   | 1<br>Pack | 1       |
|      | Unit Price: \$6.09  |           |         |
|      | Extended Price: \$6.09  |           |         |
| 7    | <b>93695K58</b> Oil-Resistant Neoprene/Vinyl/Buna-N Foam, Adhesive-Back, 1/4" Thick, 1" Width, 50' L, Black | 2<br>Each | 2       |
|      | Unit Price: \$12.17   |           |         |
|      | Extended Price: \$24.34   |           |         |

2 - 623

1 - 253

Shipped separately from our Chicago warehouse on 03/12

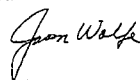
|   |  |           |   |
|---|--|-----------|---|
| 2 | <b>2728A34</b> Long Style Cobalt Steel 2 in 1 Countersink, 60 Degree Angle, Trade Size 5, 3/16" Drill Size, 6" L | 2<br>Each | 2 |
| 3 | <b>91732A339</b> 18-8 Stainless Steel Standard Helical Insert, Repair Kit, 3/4"-16 Internal Thread, 1.125" L     | 1<br>Kit  | 1 |

Charges for this shipment

|                     |                |
|---------------------|----------------|
| Merchandise Amount: | \$75.29        |
| Sales Tax:          | \$3.76         |
| <b>Total:</b>       | <b>\$79.05</b> |

Certificate of compliance

This is to certify that the above items were supplied in accordance with the description and as illustrated in the catalog.

  
Jason Wolfe  
Compliance Manager

## Eric Downing

**From:** Jason Murdoch [jmurdoch@dartaero.com]  
**Sent:** June 10, 2010 11:05 AM  
**To:** 'Eric Downing'  
**Cc:** 'L Lacelle'  
**Subject:** D3802-1 B56881 seal

Hi Eric,  
Please make sure that the mentioned batch is quarantined.

**Jason Murdoch**  
**Quality Coordinator**  
jmurdoch@dartaero.com  
**DART Aerospace Ltd.**  
**613-632-5200**

| W/O: |      |  | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP |  | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |  |                    |    |      |     |                                     |                          |
|      |      |  |                    |    |      |     |                                     |                          |

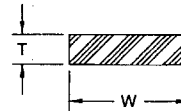
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      |                                | WORK ORDER NON-CONFORMANCE (NCR) |                                 |                |                           |                       |                          |
|------|------|--------------------------------|----------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A | Corrective Action Section B      |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                | Initial<br>Chief Eng             | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                |                                  |                                 |                |                           |                       |                          |
|      |      |                                |                                  |                                 |                |                           |                       |                          |
|      |      |                                |                                  |                                 |                |                           |                       |                          |

NOTE: Date & initial all entries

# SPECIFICATION CONTROL DRAWING



**D3802-X-YYY WINDOW SEAL**  
WHERE YYY REPRESENTS LENGTH

| DART P/N    | SUPPLIER      | SUPPLIER P/N | 'T' THICKNESS | 'W' WIDTH |
|-------------|---------------|--------------|---------------|-----------|
| D3802-1-YYY | McMASTER-CARR | 93695K58     | 0.25          | 1.00      |

△C

EG: 0.25" X 1.00" X 40" WINDOW SEAL = D3802-1-400

- NOTES:**
- 1) MATERIAL: 'PEEL AND STICK' NEOPRENE/EPT/SBR BLEND CLOSED CELL SPONGE, MEDIUM DENSITY
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: NONE
  - 7) WEIGHT: N/A

**RELEASED**  
2010-08-04

| C          | CHANGE SUPPLIER P/N TO 93695K58 PER FLAMMABILITY TEST RESULTS | MB | 10.06.30 |
|------------|---|----|----------|
| B          | CHANGE SUPPLIER P/N TO 93695K88 PER FLAMMABILITY TEST RESULTS | MB | 08.12.16 |
| A          | NEW ISSUE   | MB | 08.06.20 |
| REV.       | DESCRIPTION   | BY | DATE     |
| DESIGN     |   |    |          |
| DRAWN      |   |    |          |
| CHECKED    |   |    |          |
| MFG. APPR. |   |    |          |
| APPROVED   |   |    |          |
| DE APPR.   |   |    |          |
| DATE       | 10.06.30  |    |          |

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D3802** REV. C  
SHEET 1 OF 1  
TITLE **WINDOW SEAL** SCALE NTS

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